

Fig. 2

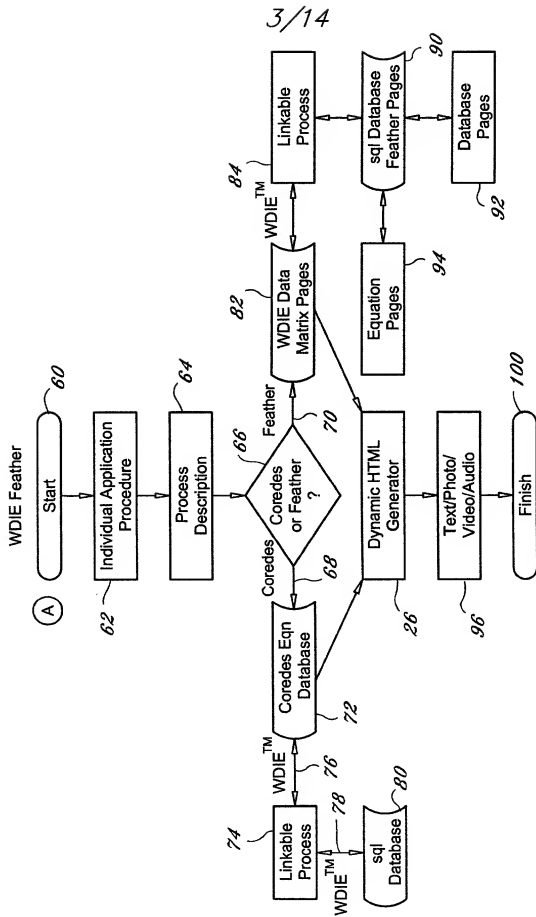


Fig. 2A

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WDIE Feather

# 1) Equation Page

Original Input = \_\_\_\_\_ : ☐  
 : ☐  
 : ☐

Calculation Yields Output

$\Delta$  = \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐  
 ↑  
 \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐  
 Result

Input

|                          |
|--------------------------|
| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |

Page

Output

|          |
|----------|
| $\Delta$ |
| $\Delta$ |
| $\Delta$ |

Page

# 2) Data Matrix Page

Original Discrete Input Data

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Calculation (if necessary)

$\Delta$  = \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐  
 ↑  
 \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐  
 Result

Input

|                                |
|--------------------------------|
| <input type="checkbox"/>       |
| Alpha <input type="checkbox"/> |
| <input type="checkbox"/>       |

Page

Output

|               |
|---------------|
| $\Delta$      |
| Data $\Delta$ |
| $\Delta$      |
| $\Delta$      |
| $\Delta$      |
| Data $\Delta$ |
| $\Delta$      |
| $\Delta$      |

Page

Page

Index  
Keying

Nodes

Fig. 2B

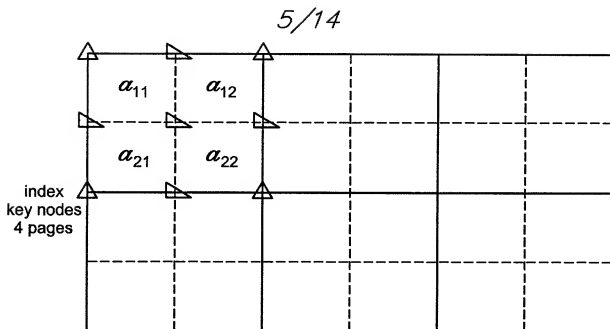


Fig. 2C

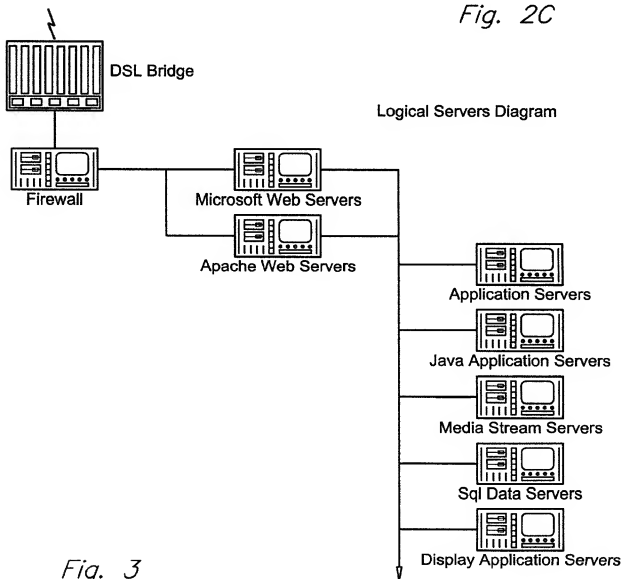


Fig. 3

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|                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                                                                                                                                     |                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Web Browser                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |                      |
| File                                                                                                                                                                                                                                                                                                                                                                                                                               | Edit | View                                                                                                                                                                | Favorites Tools Help |
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| Start                                                                                                                                                                                                                                                                                                                                                                                                                              |      | 9:11 PM                                                                                                                                                             |                      |

Fig. 4

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                                           |                      |
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| Web Browser                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                                                           |                      |
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| Start                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      | 9:11 PM                                                                   |                      |

Fig. 4A

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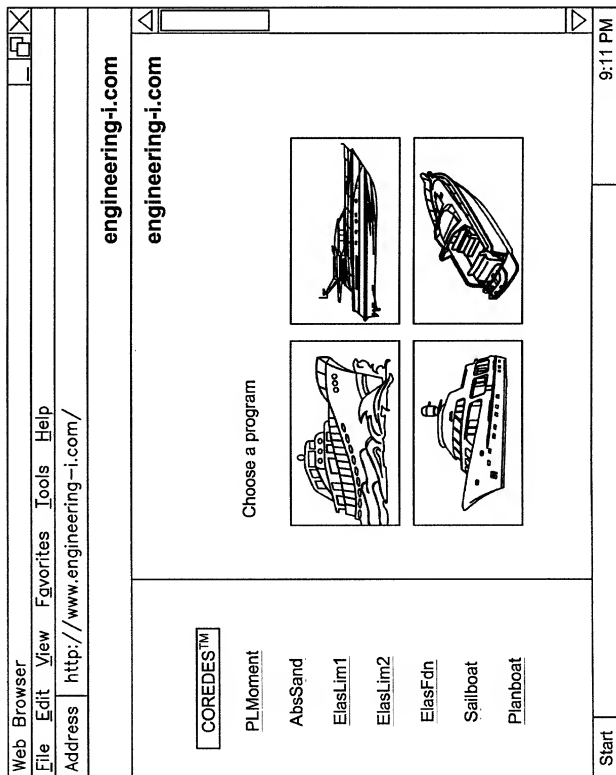


Fig. 5

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|                                                                                                                                                                                                                            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Web Browser                                                                                                                                                                                                                |      | <input type="button" value="X"/> <input type="button" value="F"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                       |
| File                                                                                                                                                                                                                       | Edit | View                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Fgavorites</a> <a href="#">Tools</a> <a href="#">Help</a> |
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| <div> <div>COREDES™</div> <div> <a href="#">PLMoment</a> <a href="#">AbsSand</a> <a href="#">ElasLim1</a> <a href="#">ElasLim2</a> <a href="#">ElasFdn</a> <a href="#">Sailboat</a> <a href="#">Planboat</a> </div> </div> |      | <div> <div>Core As Elastic Limit 1</div> <div>Input Parameters</div> <div> <div>Top Skin Thickness = <input type="text" value=".1"/></div> <div>Core Thickness = <input type="text" value=".954"/></div> <div>Bottom Skin Thickness = <input type="text" value=".112"/></div> <div>Flexural Elastic Modulus Sandwich = <input type="text" value=".936E6"/></div> <div>Flexural Elastic Modulus Core = <input type="text" value="7000"/></div> <div>AutoCalc Omega = <input type="text" value="YES"/> <input type="text" value="NO"/></div> <div>Half Buckle Wave(h/L) = <input type="text"/></div> </div> <div>Submit</div> </div> |                                                                       |
| Start                                                                                                                                                                                                                      |      | 9:11 PM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                       |

Fig. 6

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|                                                                                                                                                                                                                                                           |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |
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| Web Browser                                                                                                                                                                                                                                               |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |
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| Address                                                                                                                                                                                                                                                   |      | http://www.engineering-i.com/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |
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| <p><u>COREDES™</u></p> <p><u>PLMoment</u></p> <p><u>AbsSand</u></p> <p><u>ElasLim1</u></p> <p><u>ElasLim2</u></p> <p><u>ElasFdn</u></p> <p><u>Sailboat</u></p> <p><u>Planboat</u></p> <p><u>Single Skin</u></p> <p><u>Programs</u></p> <p><u>Home</u></p> |      | <p>Input Parameters:</p> <p>Top Skin thickness=0.1</p> <p>Core Thickness=0.934</p> <p>Bottom Skin thickness=0.112</p> <p>Flexural Elastic Modulus Sandwich=913000.0</p> <p>Flexural Elastic Modulus Core=7000.0</p> <p>AutoCalc Omega=Yes</p> <p>Output Results:</p> <p>Omega (Geometric)=0.00232065</p> <p>1/2 Buck=0.88682025</p> <p>Omega 1=9.63243850889533E-5</p> <p>Omega 2=1.0361503725543246E-5</p> <p>Omega 3=-0.009798827718722184</p> <p>Omega 4=-0.004107235245087985</p> <p>Omega=0.002476532898214347</p> <p>SIGMA*=0.0251371</p> <p>SIGMA CRIT. (Prin. Yield)=2853.2546927</p> |                      |
| Start                                                                                                                                                                                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 9:11 PM              |

Fig. 7

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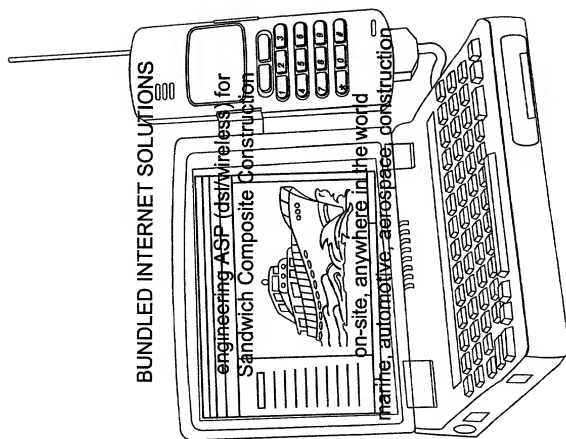


Fig. 8

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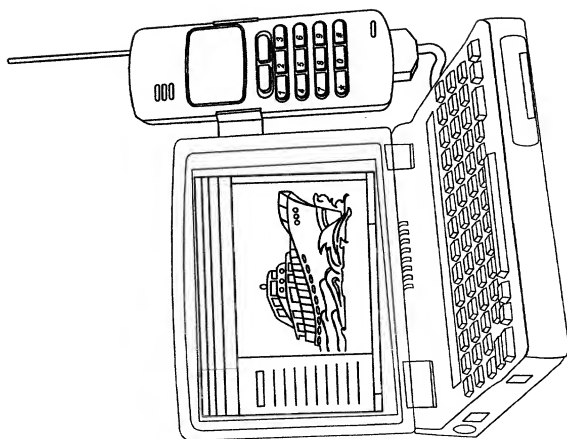


Fig. 9

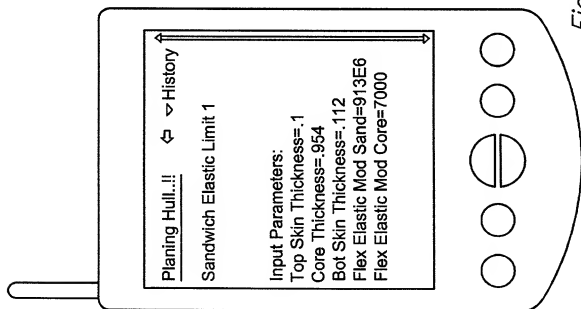


Fig. 10

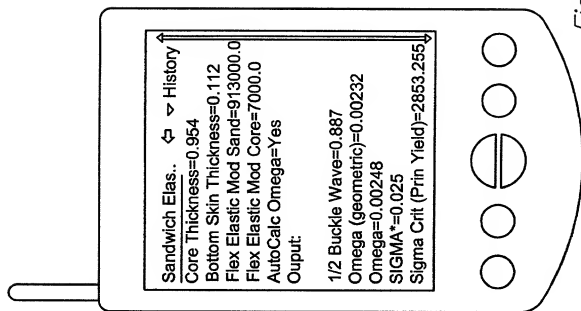


Fig. 11

Personnel ▼ Form Designer

Personnel

Personnel tab

|            |                      |         |
|------------|----------------------|---------|
| FirstName: | <input type="text"/> | text    |
| LastName:  | <input type="text"/> | text    |
| Phone:     | <input type="text"/> | text    |
| EmpID:     | <input type="text"/> | integer |

(Done) Tabs ▾ 2 Layout ⇄

Fig. 12